

## 1. BOSC 2017 Nominations

### Self Nomination:

Yes

### Nominator Information

First Name

Last Name

Nominator Title

Street Address

City

State

Postal Code

Email Address

Phone Number

Mobile Phone

### Nominee Information

First Name

Scott

Last Name

Ahlstrom

Nominee Title

PE

Street Address

Exemption 6

### Employment Information

Place of Employment/Work:

Primoris Services Corporation

**Work Street Address**

2100 McKinney Ave, Suite 1500

**Work City**

Dallas

**Work State:**

TX

**Work Postal Code**

75201

**Work Phone Number**

214-740-5614

**Work Email Address**

sahlstrom@prim.com

**Sector**

Industry

**Qualifications****Primary Area(s) of Expertise**

Water resource management and water supply infrastructure including municipal and industrial water and wastewater treatment  
Water reuse and conservation  
Water and wastewater systems operations  
Water and electrical utility management  
Clean Water Act and Safe Drinking Water Act compliance  
Sludge management  
Water supply sustainability

**Committee Preference(s)**

Safe and Sustainable Water Resources Subcommittee

**Statement of Interest**

I have served on the SSWR Subcommittee for the past 3 years. Now that I am informed and aware of OSD research in this area, I would like to continue to provide advice and input based on the practical operations and daily management experiences related to by work.

**Skills/qualifications related to committee preference(s) specified**

Over 40 years experience in water resources, water treatment, and water utility operations which helps ensure practical applications for research programs.

**Other Relevant Information****CV/Resume URL****2. CV/Resume**

Please upload your CV/ Resume.

[SBAhlstrom\\_2017.pdf](#)

**3.****BOSC Nomination**

Jun 25, 2017 12:43:09 Success: Email Sent to: tracy.tom@epa.gov

**4. Thank You for your Submission!**

## Scott B. Ahlstrom, P.E., PMP

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### Employment History

Current Position:	President, BW Primoris, a division of Primoris Services Corporation, Dallas, Texas
2002 to 2015:	Lower Colorado River Authority, Austin, Texas
Key positions:	Manager, Engineering Services Manager, Water and Wastewater Utility Chief Engineer for River Services Manager of Project Management Office Program Manager for the LCRA-SAWS Water Project
1978 to 2002:	CH2M HILL in Idaho, New Mexico, Colorado, Texas, and Puerto Rico
Key Positions:	Vice President, Senior Program Manager Water and Wastewater Division Manager Water and Wastewater Technology Discipline Director Water Reuse Projects Coordinator
1976 to 1978:	Battelle - Pacific Northwest Laboratories, Hanford Site, Richland, WA
Position held:	Research Engineer

### Experience

Mr. Ahlstrom has overall responsibility for the financial performance, procurement strategies, deployment of financial and human resources, and contract and pricing negotiations for his business unit. He integrates technology, quality, and project delivery practices with training and development programs to increase competitiveness and market share. His project experience includes both large and small projects, the majority of which have been in the water utility sector. He has also completed assignments involving airport development, highways, industrial facilities, community master planning, and energy systems. Examples of his experience include the following:

- Manager for all BW Primoris water treatment plants which include reverse osmosis treatment units and enhanced filtration processes for arsenic removal from groundwater supplies. BW Primoris water treatment facilities also treat brackish groundwater so it is suitable for potable use by small systems that do not have a viable alternative water supply.
- Engineering manager for LCRA's generation, water, facilities and community service businesses. This position performs work in coordination with the project management office and construction services group and ensures effective and timely delivery of all engineering services for the competitive business operations of LCRA.
- Core team member for development of a \$250 million off-channel reservoir (OCR) project that will increase available firm water supply by 90,000 acre-ft annually. Mr. Ahlstrom played

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a key role in defining the project and planning its implementation using a Construction Manager at Risk approach. He also led the quality assurance aspects of the project and directed an outside panel of technical experts that advised LCRA on critical aspects of the project.

- Core team member responsible for integration of a groundwater development project into the operation of an existing power plant to increase the reliability of the plant during periods of intense drought and to increase the available water supply in the basin by up to 10,000 acre-feet annually.
- Lead management representative for a \$400 million flue-gas desulfurization project for two 600 MW coal generating units. Project delivery included a combination of owner provided services, design-bid-build contracts, and cost reimbursable services.
- Water utility manager responsible for 40 water and wastewater systems owned by LCRA. Responsibilities included all aspects of facility operations, engineering, customer service, infrastructure development, and financial performance. The typical annual operating budget was \$21 million; the CIP budget averaged about \$54 million annually.
- Program Manager for the first 2-years of the LCRA-SAWS Water Project (LSWP). Responsible for project initiation activities, development of project delivery plans, and performance of related technical studies. The LSWP was a joint initiative between LCRA and the San Antonio Water System to deliver 150,000 acre-ft of water per year from the Colorado River basin to San Antonio.
- Established and led the Program Management Office for LCRA's Water Services Business Unit. Adopted a formal project management system and career development guide for project management staff. Instituted project controls protocols and project management software.

Before joining LCRA, Mr. Ahlstrom was a vice president and senior program manager with CH2M HILL. At CH2M HILL he was:

- Program Director for a multi-billion dollar water and wastewater program for the Puerto Rico Infrastructure Financing Authority. Lead the joint venture team that included CSA Architects and Engineers (from San Juan, Puerto Rico), H.B. Zachry (from San Antonio, TX) and CH2M HILL. Responsible for a staff of over 250 employees and a budget of \$2.1 billion.
- Project Manager for the City of Boise Total Water Quality Management Plan. This water-quality-based facility plan fully integrated permit planning and river basin planning with wastewater facility planning. Worked closely with City and USGS staff to develop a river monitoring program. Initiated a water quality plan for 64 miles of river that included all parties taking water from or discharging water to that segment of the river. Lead the formation of and served as executive secretary for the Lower Boise River Water Quality Planning Committee.
- Lead the implementation stage of the sludge management program for the City of Boise. Assisted other staff with the screening, detailed evaluation, selection, and approval of a 1,500 acre agricultural land application site. Because of concerns by some local land owners, lead development of a program that addressed their concerns. Met with the county planning agency, state regulatory agency and EPA to obtain approval of the program.

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- For the City of Austin, led the decision making process for the Green Water Treatment Plant. The City needed to determine what use, if any, should be made of the Green WTP beyond the year 2000. Determining the future disposition of the plant was a complex problem that the City had struggled with for some time. The plant was more than 60 years old, needed expensive upgrading to meet current codes and regulations, and was located on prime real estate in the heart of downtown Austin. However, the plant also had the potential to produce high quality water, it exercised existing water rights, and it served an existing distribution system of pump stations and pipelines. The tradeoffs involved in decommissioning, upgrading, or completely rebuilding the Green WTP were not evident from traditional forms of analysis. Decision analysis tools and methods, including special decision analysis software, were used to perform the analysis and recommend a course of action.

Mr. Ahlstrom also has significant experience in water reuse projects and served as CH2M HILL's global water reuse projects coordinator. He has interacted on reuse projects throughout the United States and internationally. He has filled key roles on both the American Water Works Association (AWWA) and Water Environment Federation (WEF) Water Reuse Committees.

## **Education**

BS, Civil Engineering, Brigham Young University, Summa cum Laude

Additional educational programs completed include:

- American Public Power Association Leadership Workshop
- University of Texas at Austin, Energy Technology and Policy
- The Ultimate PMO: Leading-Edge Practices for Effective Strategic Performance Management by J. Kent Crawford, PMI 5-day seminar
- Southern Methodist University Edwin L. Cox School of Business Executive Development
- Steven R. Covey Masters of Executive Excellence Program
- Vanderbilt University short school "Process Design in Water Quality Engineering"
- Courses on contract development and negotiations, design-build, financial analysis, project mgmt., accounting, interpersonal skills, media relations, safety, and strategic decision analysis.

## **Leadership in the Community**

Mr. Ahlstrom serves on the US EPA Board of Scientific Counselors (BOSC) Safe and Sustainable Water Resources subcommittee. The BOSC provides advice, information, and recommendations to EPA's Office of Research and Development on technical and management issues related to EPA's research programs.

Mr. Ahlstrom served on the Board of Directors for the Upper Brushy Creek Water Control and Improvement District from 2007 to 2015. The District is responsible for flood and erosion control and is the local sponsor of 23 NRCS dams in Williamson County, Texas.

Mr. Ahlstrom also served on the North Texas Municipal Water District (NTMWD) Board of Directors when he lived in Plano.

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## Professional Registrations

Professional Engineer: Colorado, Idaho, Texas

Certified Project Management Professional by the Project Management Institute (PMI)

## Publications and Presentations

Mr. Ahlstrom has published over 25 articles and papers plus has made numerous presentations on topics such as effluent reuse, sludge management and treatment (including disinfection and water reuse), water for energy, irradiation processing, and strategic decision making.

Mr. Ahlstrom co-authored the WEF Manual of Practice on Sludge Stabilization and the Sludge Disinfection workshop manual. He also led the task force and was a contributing author to the WEF Water Reuse Manual of Practice. In 2012, Mr. Ahlstrom was awarded a Technology Transfer Award by the Electric Power Research Institute for his work on the document Analysis of Water Withdrawal and Consumption in Texas. A representative listing of some other publications and presentations is provided below.

*Uncovering the Facts in the Energy – Water Hyperbole*, TSCPA Energy Conference, May 2013.

*Impacts of Water Access and Cooling Limitations*, ERCOT Market Summit, February 2013.

*Planning for Reliable Operations and Responsible Water Use*, US Dept. of Energy Electric Reliability and Drought Workshop, July 2012.

*Surface Water Augmentation for Potable Uses*, Water Environment Federation of Texas & American Water Works Association of Texas, April 1997.

*Water Reuse Principles and Practices in the United States*, Association of Water Board Directors, July 1995.

*Integrating Unknown Water Quality Objectives with Wastewater Facility Planning*, with others, Water Environment Federation Annual Conference Proceedings, October 1993.

*Special Considerations for Water Reuse Projects*, Water Environment and Technology, Water Pollution Control Federation, December 1990.

*Current Attitudes and Prospects for Water Reuse*, Water Reuse Workshop, Water Pollution Control Federation, October 1989.

*Sludge Stabilization Manual of Practice No. FD-9*, with others, Water Pollution Control Federation, 1985.